

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: 05/08/02

Date Received: 04/25/02

Project: Metro Self Monitor, PO# M67910

Date Extracted: 04/29/02

Date Analyzed: 05/01/02

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE  
FOR TOTAL METALS BY  
INDUCTIVELY COUPLED PLASMA (ICP)  
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M67910 204203-01	0.27	0.27	0.15	<0.05
Method Blank	<0.05	<0.05	<0.05	<0.05

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**QUALITY ASSURANCE RESULTS  
FROM TOTAL METALS BY  
INDUCTIVELY COUPLED PLASMA (ICP)  
(METHOD 6010)**

Laboratory Code: 204098-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.14	0.13	7	0-20
Copper	mg/L (ppm)	0.20	0.21	5	0-20
Nickel	mg/L (ppm)	0.15	0.16	6	0-20
Zinc	mg/L (ppm)	<0.05	0.05	nm	0-20

Laboratory Code: 204098-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/L (ppm)	2	0.14	82	83	80-120	1
Copper	mg/L (ppm)	2	0.20	82	82	80-120	0
Nickel	mg/L (ppm)	4	0.15	81	80	80-120	1
Zinc	mg/L (ppm)	2	<0.05	91	88	80-120	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/L (ppm)	2	95	95	80-120	0
Copper	mg/L (ppm)	2	98	98	80-120	0
Nickel	mg/L (ppm)	4	92	91	80-120	1
Zinc	mg/L (ppm)	2	99	96	80-120	3

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D.  
Charlene Morrow, M.S.  
Yelena Aravkina, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

May 8, 2002

**DUPLICATE COPY**

**INVOICE #02ACU0508-1**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M67910 - Results of testing requested by  
Gerry Thompson for material submitted on April 25, 2002.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 6010B @ \$80 per sample	<u>\$ 80.00</u>
Amount Due .....	\$ 80.00

FEDERAL TAX ID #(b) (6)



204203

## SAMPLE CHAIN OF CUSTODY

ME 4.25.02 AP3

Send Report To

GERARD A. Thompson

Company

ALASKAN COPPER WORKS

Address

628 S. HANSEN ST

City, State, ZIP

SEATTLE WA 98134

Phone #

206-382-8579

Fax #

206-382-4308

SAMPLERS (signature)

PROJECT NAME/NO.

METRO SELF monitor

PO #

M67910

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Chloride				
M67910	01	4/25/02	11:30	H2O	1											

Friedman & Bruya, Inc.  
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE

Relinquished by:

GERARD A. Thompson

PRINT NAME

GERARD A. Thompson

COMPANY

ACW

DATE

4/25/02

TIME

1:00pm

Received by:

Michael Edick

Michael Edick

P. Brice

4/25/02

J

Relinquished by:

Received by:

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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May 8, 2002

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

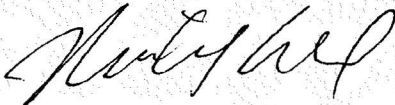
Dear Mr. Thompson:

Included are the results from the testing of material submitted on April 25, 2002 from your Metro Self Monitor, PO# M67910 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
ACU0508R.DOC